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NRO REVIEW COMPLETED

COR-1441  
COPY 7 of 7  
3 November 1961

MEMORANDUM FOR : Deputy Director (Plans)  
THROUGH : Acting Chief, Development Projects Division  
SUBJECT : Expansion of CONONA/MURAL Program in 1962

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1. This memorandum is for information.
2. Lockheed has provided the following information for various ways of expanding the CONONA/MURAL program in 1962. The basic program approved last spring now consists of 5 MURAL payloads plus 1 C Triple Prime payload launched between January and August 1962. This program had been estimated to cost [redacted] or roughly [redacted] per firing. This basic program has been expanded to what is now the presently approved schedule calling for 14 MURAL payloads preceded by 1 C Triple Prime payload during the period January through September 1962. This schedule is priced at [redacted] total per shot with a maximum firing rate of 3 per month. A variant of this, with the same number of birds but with a maximum firing rate of 2 per month, was priced [redacted] cheaper in total.
3. Another variant calling for a total of 29 launches with a maximum of 4 per month and extending through December 1962 was priced at [redacted] our own apportionment of black cost an estimated [redacted] total per shot.
4. Lockheed's last variant proposed 24 firings including 1 C Triple Prime at a maximum rate of 1 per month through December 1962 at a white cost of [redacted] black, or [redacted] total per shot.
5. One unfirm addition to the present approved schedule of 14 MURAL plus 1 C Triple Prime is the addition of 4 ARCON shots, 2 in September and 2 in October, at a white cost of [redacted]. The black payload costs are not estimable at this time.
6. In connection with this expansion of the CONONA/MURAL program from 5 to 14, I have queried and received a rather uninformative reply from NPIC as to their ability to handle information on the basis of the approved launching rate with a 50% and a 75% level of success. I have likewise received a reply from Eastman to the effect that they will later reply to the specific questions.

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7. Lastly, at our 30 October meeting you expressed interest in costs of Eastman Kodak's processing of such materials. The following data were compiled for me by [ ] on this point.

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<u>Recipient</u>	<u>DP's</u>	<u>DN's</u>	<u>CONENA Cost</u>	<u>MIRAL Cost</u>
NPIC	8	1	[ ]	[ ]
USAF	11	5		
ARMY	2	1		
NAVY	2	2		
[ ]	2	1		
	<u>25</u>	<u>10</u>		

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The above costs are understood to be direct, including materials and labor but do not include overtime nor overhead.

SIGNED

EUGENE P. KIEFER  
SA/TA/DPD

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